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What is claimed is:

- A polybutadiene composition comprising:
  - (a) (a-1) a polybutadiene type polymer, and (a-2) at least one compound selected from

a compound of formula (I-1):

or a compound of formula (I-2):

$$\begin{array}{c|ccccc}
R^{21} & R^{21} & R^{28} \\
R^{23} & R^{24} & R^{25}
\end{array}$$

wherein R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup>, R<sup>21</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>24</sup>, R<sup>25</sup>, R<sup>26</sup>, R<sup>27</sup>, and  $R^{28}$  are the same or different and independently represent a hydrogen atom, an alkyl group, an alkoxy group, a benzyloxy group, a hydroxy group, a carboxyl group, an acyl group, an acyloxy group, an alkoxycarbonyl group, or a benzyloxycarbonyl group;

(b) (b-1) a polybutadiene type polymer, and

(b-2) a compound of formula (II):

wherein R1, R2 and R4 independently represent a hydrogen atom, or an alkyl group,

R<sup>3</sup> represents a hydrogen atom, an alkyl group, an alkoxy group, a

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hydroxy group, or an acetyl group,

 $m R^5,\,R^6,\,R^7$  and  $m R^8$  independently represent a hydrogen atom, an alkyl group, or a phenyl group which may be substituted with an alkyl group, and

 $m R^9$  and  $m R^{10}$  independently represent a hydrogen atom, an alkyl group, or an alkenyl group; or

- (c) (c·1) a styrene-butadiene copolymer, and (c·2) a benzoin compound.
- A polybutadiene composition according to claim 1, which composition comprises
  - (a-1) a polybutadiene type polymer, and
  - (a·2) at least one compound selected from a compound of formula (I·1):

or a compound of formula (I-2):

wherein R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup>, R<sup>21</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>24</sup>, R<sup>25</sup>, R<sup>26</sup>, R<sup>27</sup>, and R<sup>28</sup> are the same or different and independently represent a hydrogen atom, an alkyl group, an alkoxy group, a benzyloxy group, a hydroxy group, a carboxyl group, an acyl group, an acyloxy group, an alkoxycarbonyl group, or a benzyloxycarbonyl group.

3. A polybutadiene composition according to claim 1, which comprises

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- (b·1) a polybutadiene type polymer, and
- (b-2) a compound of formula (II):

wherein  $R^1$ ,  $R^2$  and  $R^4$  independently represent a hydrogen atom, or an 8 alkyl group,

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m R}^3$  represents a hydrogen atom, an alkyl group, an alkoxy group, a hydroxy group, or an acetyl group,

 $R^5,\,R^6,\,R^7$  and  $R^8$  independently represent a hydrogen atom, an alkyl group, or a phenyl group which may be substituted with an alkyl group, and

 $m R^9$  and  $m R^{10}$  independently represent a hydrogen atom, an alkyl group, or an alkenyl group.

- A polybutadiene composition according to claim 1, which composition comprises
  - (c-1) a styrene-butadiene copolymer, and
  - (c-2) a benzoin compound.
- 5. A polybutadiene composition according to claim 1, 2 or 3, wherein the polybutadiene type polymer in (a) and (b) is polybutadiene polymer, styrene-butadiene copolymer, acrylonitrile-butadiene copolymer, acrylonitrile-butadiene block
- copolymer or high impact polystyrene.

  6. A polybutadiene composition according to claim 5, wherein the
- polybutadiene type polymer in (a) and (b) is polybutadiene polymer, styrene-butadiene copolymer, acrylonitrile-butadiene copolymer, or
- 25 styrene-butadiene block copolymer.

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 A polybutadiene composition according to claim 1 or 4, wherein the benzoin compound is a compound of formula (III):

wherein Ar¹ and Ar² independently represent a phenyl group, which may be substituted with at least one group selected from the group consisting of a halogen atom, a hydroxy group, an alkyl group, an alkoxy group, an alkoxyalkyl group, an aryl group, an arylalkyl group, an aryloxy group, an alkylcarbonyloxy group, an alkylsulfonyloxy group, an arylcarbonyloxy group, and a group of formula: -COOQ, wherein Q represents a hydrogen atom or an alkyl group, and two adjacent substituent groups on the phenyl group together with the carbon atoms to which they are bonded may form a benzene ring or rings.

- 8. A polybutadiene composition according to claim 1 or 4, wherein Ar<sup>1</sup> and Ar<sup>2</sup> independently represent a phenyl group, which may be substituted with an alkyl group, an alkoxy group or an alkoxyalkyl group.
- A polybutadiene composition according to any one of claims 1 to 8, wherein an effective amount of the compound of formula as defined in (a·2), (b·2) or (c·2) is respectively present in the polybutadiene composition (a), (b) or (c).
- 20 10. A polybutadiene composition according to claim 1, 2, 5 or 6, wherein an amount of the compound of formula (I) is 0.001 part by weight or more per 100 parts by weight of the polybutadiene type polymer.
  - 11. A polybutadiene composition according to claim 1, 3, 5, or 6, wherein an amount of the compound of formula (II) is 0.001 part by weight or more per 100 parts by weight of the polybutadiene type polymer.
  - 12. A polybutadiene composition according to claim 1, 4, 7 or 8,

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wherein an amount of the benzoin compound is 0.01 part by weight or more per 100 parts by weight of the styrene-butadiene polymer.

- A polybutadiene composition according to claim 1, 4, 7, 8 or 12, wherein the benzoin compound is benzoin.
- 5 14. A polybutadiene composition according to claim 1, 4, 7, 8, 12, or 13, wherein the styrene-butadiene copolymer is a styrene-butadiene block copolymer.
  - 15. An article molded from the composition of any one of claims 1 to 14.
  - 16. A process for producing a polybutadiene composition, which comprises: i) blending
    - (a) (a·1) a polybutadiene type polymer, and
       (a·2) at least one compound selected from a compound of formula (I·1):

or a compound of formula (I-2):

wherein R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup>, R<sup>21</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>24</sup>, R<sup>25</sup>, R<sup>26</sup>, R<sup>27</sup>, and R<sup>28</sup> are the same or different and independently represent a hydrogen atom, an alkyl group, an alkoxy group, a benzyloxy group, a hydroxy group, a carboxyl group, an acyl group, an acyloxy group, an alkoxycarbonyl group, or a benzyloxycarbonyl group; or

(b) (b-1) a polybutadiene type polymer, and

(b-2) a compound of formula (II):

wherein  $R^1$ ,  $R^2$  and  $R^4$  independently represent a hydrogen atom, or an alkyl group,

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m R}^3$  represents a hydrogen atom, an alkyl group, an alkoxy group, a hydroxy group, or an acetyl group,

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m R}^5,\,{
m R}^6,\,{
m R}^7$  and  ${
m R}^8$  independently represent a hydrogen atom, an alkyl group, or a phenyl group which may be substituted with an alkyl group, and

 $m R^9$  and  $m R^{10}$  independently represent a hydrogen atom, an alkyl group, or an alkenyl group; or

- (c) (c·1) a styrene-butadiene copolymer, and
  - (c·2) a benzoin compound;
- ii) melting the blended composition; and
- iii) extruding the melted composition.
- 17. A process for producing a molded article, which comprises metling the polybutadiene composition as defined in claim 1 and subjecting the melted composition to injection molding, extruding, or blow molding.

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